AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code Cost-Plus-Fixed-Fee	**Page** 1 **Of** 7	

2. Amendment/Modification No.	3. Effective Date	4. Requisition/Purchase Req No.	5. Project No. (If applicable)
P00038	2004JAN28	SEE SCHEDULE	

6. Issued By	Code	W56HZV	7. Administered By (If other than Item 6)	Code	S2305A
TACOM WARREN BLDG 231 AMSTA-AQ-AHEA LINDA E. WILLIAMS (586)574-8116 WARREN, MICHIGAN 48397-5000 HTTP://CONTRACTING.TACOM.ARMY.MIL EMAIL: WILLIALI@TACOM.ARMY.MIL			DCMA DETROIT U.S. ARMY TANK & AUTOMOTIVE COMMAND (TACOM) ATTN: DCMAE-GJD WARREN, MI 48397-5000		

SCD A   **PAS** NONE   **ADP PT** HQ0337

8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)		
GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPOR 38500 MOUND ROAD STERLING HEIGHTS, MI. 48310	[ ]	**9A. Amendment Of Solicitation No.**
		9B. Dated (See Item 11)
	[X]	**10A. Modification Of Contract/Order No.** DAAE07-00-C-M007
TYPE BUSINESS: Large Business Performing in U.S.		**10B. Dated (See Item 13)** 1999DEC22

Code 0C9L5   **Facility Code**

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[ ] The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers

    [ ] **is extended,**   [ ] **is not extended.**

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting And Appropriation Data (If required) Payment will be made by Electronic Funds Transfer
ACRN: AQ NET INCREASE: $145,636.00

                                                        FMS REQUIREMENT

13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS
KIND MOD CODE: 8

It Modifies The Contract/Order No. As Described In Item 14.

[ ]	**A. This Change Order is Issued Pursuant To:** **The Changes Set Forth In Item 14 Are Made In** The Contract/Order No. In Item 10A.	
[ ]	**B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).**	
[ ]	**C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:**	
[X]	**D. Other (Specify type of modification and authority)** Mutual Agreement	

E. IMPORTANT: **Contractor** [ ] **is not,** [X] **is required to sign this document and return _____ copies to the Issuing Office.**

14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

SEE SECOND PAGE FOR DESCRIPTION

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name And Title Of Signer (Type or print)		16A. Name And Title Of Contracting Officer (Type or print) RICHARD K. KULCZYCKI KULCZYCR@TACOM.ARMY.MIL (586)574-7299	
15B. Contractor/Offeror	**15C. Date Signed**	**16B. United States Of America**	**16C. Date Signed**
 (Signature of person authorized to sign)		By /SIGNED/ (Signature of Contracting Officer)	2004JAN28

NSN 7540-01-152-8070   30-105-02   STANDARD FORM 30 (REV. 10-83)
PREVIOUS EDITIONS UNUSABLE   Prescribed by GSA FAR (48 CFR) 53.243

Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPOR

SECTION A - SUPPLEMENTAL INFORMATION

1.The purpose of this supplemental agreement Modification P00038 is to incorporate the settlement of Proposal K-2002-R58 for Management Information System training at the Egyptian Tank Plant (ETP).

  As the result of the above, the Contractor and Government agree to the following:

  a. CLIN 0002AC is established to fund the total negotiated amount of $145,636.00 for the scope of work hereby incorporated in paragraph C.4.3.7 of the contract.

2. The total contract amount is increased from $62,020,414.97 to $62,166,050.97.

3. The provisions of this modification P00038 constitute the complete and equitable adjustment to the contract price and performance schedule resulting from the changes incorporated herein. Any and all claims for adjustment of the contract price and performance schedule resulting from the change incorporated herein is hereby waived and released.

4. All other terms and conditions of the contract remain unchanged and in full force and effect.

                        *** END OF NARRATIVE A 040 ***

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ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS				
0002	SECURITY CLASS: Unclassified				
0002AC	<u>MIS TRAINING</u>				$<u> 145,636.00</u>
	CLIN CONTRACT TYPE: Cost-Plus-Fixed-Fee NOUN: MIS TRAINING PRON: J50MTA0847 PRON AMD: 01 ACRN: AQ AMS CD: NFM005 FMS CASE IDENTIFIER: EG-B-NFM				
	Manufacturing Technical Assistance Services support of M1A1 Abrams Egyptian CoProduction Program as further described in Section C.4.3.7 Description/Specifications, of the Contract			Estimated Cost: C.O.M. Fixed Fee: Total	$133,472.00 18.00 <u>12,146.00</u> $145,636.00
	(End of narrative B001)				
	<u>Inspection and Acceptance</u> INSPECTION: Origin ACCEPTANCE: Origin				
	<u>Deliveries or Performance</u> DLVR SCH PERF COMPL <u> REL CD </u> <u> QUANTITY </u> <u> DATE </u> 001 0 30-MAY-2004				
	$ 145,636.00				

CONTINUATION SHEET	Reference No. of Document Being Continued	Page 4 of 7
	PIIN/SIIN DAAE07-00-C-M007 MOD/AMD P00038	

Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPOR

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT
C.4.3.3___MIS UPGRADE OBJECTIVE

The Contractor will upgrade the ETP MIS with up-to-date computer technology that will provide the ETP the capability to manage their current in-plant manufacturing programs and the capability to expand for future growth.

C.4.3.3.1 Project Work flow:

The following items represent the basic elements used to develop the Project work flow:

Identify the hardware and software required for the ETP MIS system.
Procure required hardware and software.
Initialize and test main system hardware and software prior to shipment to ETP.
Ship hardware/software to ETP.
Rewire network at ETP to CAT-5 standards.
Install server & network hardware.
Migrate data from NCR to SUN servers
Test system
Remove old hardware

C.4.3.3.2 Initialization of Main Server & Network Hardware
The Contractor will ship the SUN servers and the Network Management Workstation to CSC in Sterling Heights, MI, for initialization and configuration set up by on site CSC personnel. CSC will test the system data load and the applications, using unloaded data from ETP. Upon completion of initialization and set up, CSC will delete all test data files and applications used during the initialization and the products will be shipped to Egypt, by GDLS, for installation at the ETP.

C.4.3.3.3 Main Server & Back Up Server Replacement
The Contractor will replace the existing NCR 3550 (main server) and the Compaq Proliant (back-up server) with a SUN Fire V880 server, working as main server, and a second SUN V880 Sun Fire server working as a back up server.   These machines will work in unison and each are capable of individually maintaining system operation in the event of the failure of the other. The contractor will oversee the disconnection of the NCR 3550 Server after the Sun Server is installed. The following equipment will be procured for installation at the ETP:

Sun Fire V880 Main Server

Four 900 MHz processors
17 Color Monitor
6gb memory
36gb disk storage
DVD ROM
Quad Ethernet Cards

Sun Fire V880 Back up Server:

Two 900 MHz processors
17 Color Monitor
6gb memory
36gb disk storage
Quad Ethernet Cards

Sun StorEdge D1000 (2 each)
100gb per D1000
Rack mountable
2 Fan trays (4 fans)
4 Differential Ultra SCSI to host ports
2 power supplies

In addition, to the equipment above, the contractor will procure and the transfer warranty on the SUN equipment; procure and transfer, as required, the Oracle Client software and named licenses for the Sun Server; and procure SQR Brio software and licenses for the Sun Server.

C.4.3.3.4 Network Upgrade
The network upgrade will consist mainly of upgrading the ETP wiring to CAT-5 standards, procurement of 50 desktop PCs, one high-end PC, 20 printers, one color plotter and other miscellaneous items required for installation of network components.

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The following list describes the major intra-building network hardware that will be procured to upgrade 150 user locations:

Rack (12)
Twisted pair wiring (50,000 feet)
Patch panel (12)
Patch cord (300)
Termination block (150)
Enclosed cabinets
UPS system (11) for enclosed cabinets

The contractor shall procure: the Smart Net Maintenance and transfer the Warranty on the Cisco equipment; a network management server sized to satisfy network requirements; 81 Client Desktop Emulator Licenses.
The contractor will create a bridge between the new network connection for 2 concentrators through the existing ETP computer system using dumb terminals in buildings #5 and Financial.

C.4.3.3.5 Data Migration

The contractor will be responsible to migrate the Oracle database and the Oracle applications library, representing the 19 MIS modules, from the NCR 3550 server to the new SUN server. The following list describes the modules that will be migrated to the SUN server:

1.	Inventory Control	INV)
2.	Bill of Materials	(BOM)
3.	Purchasing	(PUR)
4.	Shop Floor Control	(SFC)
5.	Master Scheduling	(MS)
6.	Material Requirements Planning	(MRP)
7.	*Capacity Requirement Planning	(CRP)
8.	Kitting	(KIT)
9.	Equipment Calibration	(EC)
10.	Quality Assurance	(QA)
11.	Quality Test Procedure	(QTP)
12.	Engineering Configuration Control	(ECC)
13.	Purchase Specification	(PSM)
14.	Operation Sheets	(OP)
15.	Preventive Maintenance	(PM)
16.	Shipping Control	(SHC)
17.	Fixed Assets Inventory	(FAI)
18.	Fixed Assets Depreciation	(FAD)
19.	Personnel	(PER)

Module not in use; no testing planned

In addition to the above modules, the applications listed below will also be migrated to the SUN server:

   1. DISCOVER 2000 (D2K) - Product demonstrated. No reports. Product shown was from Windows version, not from NCR version.

   2. Service Request Database (SRD)

C.4.3.3.6   System Test
The Contractor system test will consist of no more than three data retrievals per ETP application and are only intended to verify that the data is available to users through the appropriate application. Any application not in production will be migrated but will not be tested.CSC will assist and support the ETP personnel in the development of test cases. These cases will oversee the installation, the final connection of the upgraded network, and the ETP Acceptance Testing using the previously developed scripts. CSC will also lead the ETP personnel through up to (2) dry runs of the testing on their current computer system. This will create a Test and Acceptance baseline during the 2-week installation period. CSC will be on-site to support the ETP personnel in the Test and Acceptance process. Acceptance testing will not include the verification of SUN system functions not available on the system.

C.4.3.4   ETP RESPONSIBILITIES
The following items are the responsibility of the ETP:

1. For test purposes, the ETP will provide a work around method for separating M88 data (UDLP) from ETP data prior to shipping Full Data Load.
2. Provide a work around method for re-migrating M88 data in conjunction with ETP data at the time of installation.
3. ETP will load Oracle Client on the 30 existing PCs and the new 51 PCs.
4. Ensure personnel have received SUN and Unix Administration training.

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5. Ensure personnel have received Cluster Software Administration training.
6. Ensure personnel have received Oracle Administration training.
7. Ensure personnel have received Veritas Administration training.
8. Have Developer 2000/Reports, replacing Vermont View, in production prior to receiving full load of data and 19 modules.
9. Make space available for the installation of the SUN servers before scheduled installation of the equipment.
10. Pull, terminate and connect all twisted pair wiring to a CAT-5 standard.
11. Connect all workstations to the upgraded network.
12. Install the 51 new PCs, 20 printers and the plotter.
13. Have core network wiring completed and ready for certification prior to upgrade installation.
14. Remove dumb terminals after installation of SUN server, except for two concentrators required for bridge to Building 5 and finance building.

C.4.3.5   PROJECT COMPLETION CRITERIA
The project will be completed when the Contractor provides the following:

1.   The SUN servers are operational
2.   The upgraded network is operational
3.   The network connection is in place to support 2 concentrators using dumb terminals in buildings #5 and Financial
4.   The integration / acceptance testing of the migrated data and applications has been completed and approved

C.4.3.6   EQUIPMENT RECOMMENDATIONS

C.4.3.6.1 Printer and Plotter Configuration

The Contractor will configure the following equipment as follows:

Laser Printer:

Quality	Speed	Network	Standard Memory	Max Memory
1200dpi	16ppm	Yes	12MB	28MB

Max Paper Size	Tray
11X17	3

Line Jet Printer:

Quality	Speed	Network	Data Process	Printable Width
200/154	500/428lpm	Yes	375/300	Up to 13.6

Choice options: Cabinet Type or Pedestal Type

All printers must be able to work under Solaris 8 on a Sun Server.
All printers must have a jet direct card (capable of supporting 10/100BaseT interface)

Plotter:

HP Design Jet 800 series.
Product Number = C7780C 800ps (42 in)

*C.4.3. 7.   TRAINING

The contractor shall provide Management Information System (MIS) training at the ETP for up to eight (8) ETP MIS System administrator. Training shall be in two sessions. The course will consist of three weeks of SUN related coures: Solaris 9 System Adminstrator I, Solaris 9 System Administrator II and TCP/IP Network. The second session will consist of four weeks of Veritas-related courses : Volume Manager Sun StorEdge; Network-up for Oracle; Sun/Veritas Enterprise Cluster; Netback-up for Vertias and Advanced Netback-up Veritas. Contractor will provide two Sun workstations for the training.

*Added by Modification P00038

*** END OF NARRATIVE C 001 ***

Name of Offeror or Contractor: GENERAL DYNAMICS LAND SYSTEMS CUSTOMER SERVICE & SUPPOR

SECTION G - CONTRACT ADMINISTRATION DATA

LINE ITEM	PRON/ AMS CD/ MIPR	ACRN	OBLG STAT/ JOB ORD NO	PRIOR AMOUNT	INCREASE/DECREASE AMOUNT	CUMULATIVE AMOUNT
0002AC	J50MTA0847 NFM005	AQ	2 0DBJ1A	$ 0.00	$ 145,636.00	$ 145,636.00
				NET CHANGE	$ 145,636.00	

SERVICE NAME	NET CHANGE BY ACRN	ACCOUNTING CLASSIFICATION	ACCOUNTING STATION	INCREASE/DECREASE AMOUNT
Army	AQ	9711 X8242EGO1X6D1000NFM 0052516EGS201130MTA08	W56HZV	$ 145,636.00
			NET CHANGE	$ 145,636.00

	PRIOR AMOUNT OF AWARD	INCREASE/DECREASE AMOUNT	CUMULATIVE OBLIG AMT
NET CHANGE FOR AWARD:	$ 62,020,414.97	$ 145,636.00	$ 62,166,050.97